

What is claimed is:

1. A method of stimulating a systemic immune response in a subject in need thereof, comprising administering to the subject a therapeutically effective amount of cells, wherein said cells are proliferation incompetent and have been genetically engineered to express sCD40.
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2. The method of claim 1 wherein said cells are autologous or heterologous to said subject.
3. The method of claim 1 wherein said subject is a human.
4. The method of claim 1 wherein said tumor cells are rendered proliferation
10 incompetent by gamma irradiation.
5. The method of claim 1 wherein said cells are tumor cells, bone marrow cells, stem cells, fibroblasts, lymphocytes, or combinations thereof.
6. The method of claim 1 further comprising administration of one or more cytokines.
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7. The method of claim 6 in which said cytokine is granulocyte-macrophage colony stimulating factor, IL-12 or both.
8. The method of claim 6 in which said cytokine is granulocyte-macrophage colony stimulating factor and said cytokine and sCD40 are expressed separately or as a fusion protein.
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9. The method of claim 1 in which said cells are administered systemically, peritoneally, intramuscularly, or intradermally.
10. A composition comprising a cell expressing a fusion protein comprising sCD40 linked to granulocyte-macrophage colony stimulating factor.
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11. A method of stimulating a systemic immune response in a subject having an established tumor, comprising administering to the subject a therapeutically effective amount of a recombinant nucleic acid through which a protein comprising sCD40 can be expressed.
12. A method of stimulating a systemic immune response in a subject in need thereof, comprising administering to the subject a therapeutically effective amount of
30 sCD40.

13. The method of claim 13 further comprising the step of co-administering to said subject an antigen, whereby a systemic immune response is induced to said antigen.

14. A method of suppressing growth of a tumor in a subject, comprising providing to said subject a therapeutically effective amount of sCD40 *in vivo* such that
5 growth of a tumor in said subject is suppressed.

15. A method of stimulating a systemic immune response in a subject in need thereof, comprising administering to the subject a therapeutically effective amount of cells, wherein said cells are characterized by: (s) a substantial lack of expression of MHC class I and class II molecules, and (b) an ability to express sCD40.

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